Title (en)

Improved foil design for a high voltage capacitor bushing

Title (de)

Verbessertes Foliendesign für eine Hochspannungskondensatordurchführung

Title (fr)

Design amélioré de feuille pour une traversee de condensateur à haute tension

Publication

EP 2541561 A1 20130102 (EN)

Application

EP 11171646 A 20110628

Priority

EP 11171646 A 20110628

Abstract (en)

The present invention relates to a lead-trough device for an electrical conductor, which structure comprises an insulating body arranged for housing the electrical conductor along a central axis of the insulating body. Further, the lead-trough structure comprises insulating layers and conducting layers arranged on the inside of the insulating body, which insulating layers and conducting layers are concentrically wrapped around the central axis of the body and alternatingly arranged along a transaxial direction of said insulating body. At least one conducting layer is wrapped concentrically around the central axis of the body for less than 360° such that ends of the at least one conducting layer are spaced apart.

IPC 8 full level

H01B 17/28 (2006.01)

CPC (source: EP US)

H01B 17/28 (2013.01 - EP US)

Citation (search report)

- [A] WO 2006001724 A1 20060105 - ABB SP ZOO [PL], et al
- [A] EP 2093777 A1 20090826 - ABB RESEARCH LTD [CH]
- [A] EP 2180485 A1 20100428 - ABB RESEARCH LTD [CH]

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2541561 A1 20130102; **EP 2541561 B1 20170104**; BR 112013029093 A2 20171121; BR 112013029093 B1 20201027; CN 103534766 A 20140122; CN 103534766 B 20160127; US 2014110151 A1 20140424; US 8907223 B2 20141209; WO 2013000597 A1 20130103

DOCDB simple family (application)

EP 11171646 A 20110628; BR 112013029093 A 20120413; CN 201280022711 A 20120413; EP 2012056791 W 20120413; US 201314139399 A 20131223